



**ADT/R V. 5.3
PREREGISTRATION**

INSTALLATION GUIDE

Patch DG*5.3*109

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Department of Veterans Affairs
Technical Services
Management Information Products Group

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1. Introduction

Patch DG*5.3*109 was created using Kernel V. 8.0 and VA FileMan V. 21.0. It was exported using the Kernel Installation and Distribution System (KIDS). You must use Kernel V. 8.0 to install this patch. You must also have KIDS Patch 44 (XU*8*44) installed. Installation will take approximately 5 minutes.

Please review the KIDS documentation and familiarize yourself with KIDS prior to installing this patch.

1.1 Updated Checksum Values

The following are CHECK^XTSUMBLD results of changed PIMS routines. The second line of each of these routines will look like:

```
<tab>;;5.3;Registration;**[patch list]**;Aug 13, 1993
```

1.1.1 Checksum Values for Changed Registration Routines

Routine Name	Checksum Before Patch	Checksum After Patch	Patch List
DG10	3386617	3605485	32,109
DGPAR	12081745	14725270	51,86,93,109
DGPAR1	15449947	15889458	51,62,86,93,109
DGPREBJ	N/A	2415188	109
DGPREBJ1	N/A	10205497	109
DGPREENV	N/A	930075	109
DGPREP0	N/A	6496947	109
DGPREP1	N/A	5979841	109
DGPREP2	N/A	2707748	109
DGPREP3	N/A	7047681	109
DGPREP4	N/A	2990024	109
DGPREP5	N/A	7419678	109
DGPREPST	N/A	7547422	109
DGRP1	10291468	14392320	109
DGRPD	18487072	19044094	109
DGRPV	8485976	9260975	109

1.2 Package Integration

The following package versions (or higher) *must be* installed *prior* to loading the Preregistration software. You should verify that all patches to these packages have been installed before installing the Preregistration Patch DG*5.3*109.

Kernel V. 8.0

Kernel Toolkit V. 7.3

VA FileMan V. 21.0

VA MailMan V. 7.1

PIMS V. 5.3

2. Preinstall Considerations

1. Patch DG*5.3*109 can be loaded with users on the system. Installation will take less than 5 minutes. The DGPRES* routines in the ROUTINE SUMMARY section are new. The other routines are modifying Patient Load/Edit routines. This patch should be loaded at a time during nonpeak hours to minimize user disruptions.
2. Files #41.42 and #41.43 are dynamic files. They should not grow to any significant size if they are purged on a regular basis through either of the following methods:
 - a) Automatic purging (Fields #1100.04 and #1100.03 of File #43)
 - b) Use of the preregistration supervisor options
3. File #41.41 is an audit file for tracking changes to patient demographics through the preregistration process. It currently contains only pointers to the NEW PERSON (#200) and PATIENT (#2) files and a date value. It is not anticipated that it will make a significant impact on disk space usage.
4. The following information should be on hand before beginning. It will be asked as part of the post install.
 - a) Date and time to schedule the DGPRES PRE-REGISTER NIGHT JOB. It is recommended that you schedule this job at night (when no backups or downtimes are scheduled for at least an hour).
 - b) Null device for the QUEUED JOB OUTPUT field of the OPTION SCHEDULING file (#19.2). If you do not have a null device defined on your system, you might want to do so before installing this patch.
 - c) The user to be assigned to the DGPRES PRE-REG STAFF mail group. This should be the MCCR Preregistration Coordinator or Supervisor.

5. The output generated by the Print Pre-Registration Audits option [DGPRE PRE-REGISTER AUDIT RPT] will only display information on those fields in the PATIENT file (#2) for which an audit has been defined. This will require your IRM Service to take the following steps in VA FileMan. These steps must be repeated for all desired fields. Audits are not required, but are necessary if the report is to be utilized.

```
Select OPTION:  MODIFY FILE ATTRIBUTES
MODIFY WHAT FILE: PATIENT//  <RET>
Select FIELD:  STREET ADDRESS [LINE 1]
LABEL: STREET ADDRESS [LINE 1]//  <RET>
TITLE:  <RET>
AUDIT: //  ?
```

Choose from:

```
      y      YES, ALWAYS
      n      NO
      e      EDITED OR DELETED
```

```
AUDIT: //  (select "y" at this point.)
AUDIT CONDITION:  ^
```

6. The MCCR Reengineering Group recommends that audits be turned on for the following fields in the PATIENT file (#2):

Field Number	Field Name
.05	MARITAL STATUS
.111	STREET ADDRESS [LINE 1]
.112	STREET ADDRESS [LINE 2]
.114	CITY
.115	STATE
.117	COUNTY
.131	PHONE NUMBER [RESIDENCE]
.132	PHONE NUMBER [WORK]
.211	K-NAME OF PRIMARY NOK
.2191	K2-NAME OF SECONDARY NOK
.3111	EMPLOYER NAME
.31115	EMPLOYMENT STATUS
.351	DATE OF DEATH
.361	PRIMARY ELIGIBILITY CODE

7. Before using the Calling Statistics Report [DGPRE CALL STATS] option, multi-divisional facilities should ensure that each clinic has an associated division. (You can do this by entering a division name at the "DIVISION:" prompt while using the Set up a Clinic option.) This option uses NO DIVISION SPECIFIED as a sort value, because the MULTIDIVISION MED CENTER? field (# 11) of the MAS PARAMETERS file (#43) cannot accept a null value. If you accept the ALL default at the "Select division: ALL/" prompt in lieu of selecting specific divisions, the output generated will list the statistics for clinics NOT associated with a division under the division name NO DIVISION SPECIFIED.

3. Installation Instructions

Please take the following steps to install Patch DG*5.3*109. Where applicable, user responses are shown in boldface type.

Step Description

1. The PIMS (MAS) V.5.3 Technical Manual recommends that the DG10* and DGRP* routines be mapped. If these routines are mapped on your system, you should unmap the following routines: DG10, DGRP1, DGRPD, DGRPV.
2. From the **PackMan** menu, use the **INSTALL/CHECK MESSAGE** option.
3. From the **Kernel Installation and Distribution System Menu**, select the **Installation** menu.
4. From the Installation menu, you may elect to use the following options. When prompted for the INSTALL NAME, enter **DG*5.3*109**.
 - a) *Backup a Transport Global* - This option creates a backup message of any routines exported with the patch. It does NOT backup any of the other changes.
 - b) *Compare Transport Global to Current System* - This option allows you to view all changes that are made when the patch is installed. It compares all components of the patch (routines and options).
 - c) *Verify Checksums in Transport Global* - This option allows you to ensure the integrity of the routines that are in the transport global.
 - d) Use the **Install Package(s)** option and select the package **DG*5.3*109**.
5. At the "Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//" prompt, respond **YES**, and select the following options:

DG LOAD PATIENT DATA
DG PATIENT INQUIRY
DG PARAMETERS ENTRY
DG REGISTRATION VIEW

6. MSM sites: Take the following action when asked if you want to move the routines to other systems.
 - a) Be sure to answer **YES**.
 - b) Indicate the appropriate CPUs.
7. Once installation is complete, the DGPREPST post install routine can be deleted.
8. If you unmapped the DG10, DGRP1, DGRPD, and DGRPV routines in Step 1 above, you should now remap them.
9. The PIMS (MAS) V.5.3 Technical Manual states that journalling of the DGS global is optional. Journalling remains optional for these new files.
10. The DGPRE EDIT and DGPRE SUPV security keys will need to be allocated to the appropriate users.

4. Appendix A. Build File for DG*5.3*109

Select VA FileMan Option: **Inquire** to File Entries

```
OUTPUT FROM WHAT FILE: BUILD// <RET>
Select BUILD NAME:      DG*5.3*109      REGISTRATION
ANOTHER ONE: <RET>
STANDARD CAPTIONED OUTPUT? Yes// <RET> (Yes)
Include COMPUTED fields: (N/Y/R/B): NO// <RET> - No record number (IEN), no
Computed Fields

NAME: DG*5.3*109                PACKAGE FILE LINK: REGISTRATION
  TYPE: SINGLE PACKAGE          TRACK PACKAGE NATIONALLY: NO
FILE: PRE-REGISTRATION AUDIT    UPDATE THE DATA DICTIONARY: YES
  SEND SECURITY CODE: YES       SEND FULL OR PARTIAL DD: FULL
  DATA COMES WITH FILE: NO
FILE: PRE-REGISTRATION CALL LIST UPDATE THE DATA DICTIONARY: YES
  SEND SECURITY CODE: YES       SEND FULL OR PARTIAL DD: FULL
  DATA COMES WITH FILE: NO
FILE: PRE-REGISTRATION CALL LOG  UPDATE THE DATA DICTIONARY: YES
  SEND SECURITY CODE: YES       SEND FULL OR PARTIAL DD: FULL
  DATA COMES WITH FILE: NO
FILE: MAS PARAMETERS
DD NUMBER: MAS PARAMETERS (File-top level)
FIELD NUMBER: PRE-REGISTRATION SORT
FIELD NUMBER: DAYS BETWEEN CALLS
FIELD NUMBER: BACKGROUND JOB FUNCTION
FIELD NUMBER: DAYS TO MAINTAIN LOG
FIELD NUMBER: DAYS TO PULL APPOINTMENT
FIELD NUMBER: RUN FOR WEEKEND
DD NUMBER: CLINIC EXCLUSION (sub-file)
DD NUMBER: ELIGIBILITY EXCLUSION (sub-file)
  UPDATE THE DATA DICTIONARY: YES  SEND SECURITY CODE: NO

SEND FULL OR PARTIAL DD: PARTIAL  DATA COMES WITH FILE: NO
  ALPHA/BETA TESTING: NO          POST-INSTALL ROUTINE: DGPREPST
BUILD COMPONENT: PRINT TEMPLATE
BUILD COMPONENT: SORT TEMPLATE
BUILD COMPONENT: INPUT TEMPLATE
BUILD COMPONENT: FORM
BUILD COMPONENT: FUNCTION
BUILD COMPONENT: DIALOG
BUILD COMPONENT: BULLETIN
BUILD COMPONENT: MAIL GROUP
ENTRIES: DGPRE PRE-REG STAFF      ACTION: SEND TO SITE
BUILD COMPONENT: HELP FRAME
BUILD COMPONENT: ROUTINE
ENTRIES: DGPREBJ                  ACTION: SEND TO SITE
  CHECKSUM: B8535419
ENTRIES: DGPREBJ1                 ACTION: SEND TO SITE
  CHECKSUM: B35326977
ENTRIES: DGPREP0                  ACTION: SEND TO SITE
  CHECKSUM: B23650934
```

Appendix A. Build File for DG*5.3*109

ENTRIES: DGPREP1	ACTION: SEND TO SITE
CHECKSUM: B34611908	
ENTRIES: DGPREP2	ACTION: SEND TO SITE
CHECKSUM: B8306661	
ENTRIES: DGPREP3	ACTION: SEND TO SITE
CHECKSUM: B19424903	
ENTRIES: DGPREP4	ACTION: SEND TO SITE
CHECKSUM: B8791673	
ENTRIES: DGPREP5	ACTION: SEND TO SITE
CHECKSUM: B28651262	
ENTRIES: DGPREPST	ACTION: SEND TO SITE
CHECKSUM: B20057703	
ENTRIES: DG10	ACTION: SEND TO SITE
CHECKSUM: B5333503	
ENTRIES: DGPARG	ACTION: SEND TO SITE
CHECKSUM: B23810537	
ENTRIES: DGPARG1	ACTION: SEND TO SITE
CHECKSUM: B22324287	
ENTRIES: DGRP1	ACTION: SEND TO SITE
CHECKSUM: B18393045	
ENTRIES: DGRPD	ACTION: SEND TO SITE
CHECKSUM: B26020518	
ENTRIES: DGRPV	ACTION: SEND TO SITE
CHECKSUM: B14580665	
BUILD COMPONENT: OPTION	
ENTRIES: DGPREG CALL STATS	ACTION: SEND TO SITE
ENTRIES: DGPREG CLEAR CALL LIST	ACTION: SEND TO SITE
ENTRIES: DGPREG DISPLAY CALL LIST	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER AUDIT RPT	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER MENU	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER NIGHT JOB	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER OPTION	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER OUTPUTS	ACTION: SEND TO SITE
ENTRIES: DGPREG PRE-REGISTER PATIENT INQ	ACTION: SEND TO SITE
ENTRIES: DGPREG PURGE CALL LIST	ACTION: SEND TO SITE
ENTRIES: DGPREG PURGE CALL LOG	ACTION: SEND TO SITE
ENTRIES: DGPREG SUPV MENU	ACTION: SEND TO SITE
ENTRIES: DGPREG UPDATE CALL LIST	ACTION: SEND TO SITE
ENTRIES: DG REGISTRATION MENU	ACTION: USE AS LINK FOR MENU ITEMS
BUILD COMPONENT: SECURITY KEY	
ENTRIES: DGPREG EDIT	ACTION: SEND TO SITE
ENTRIES: DGPREG SUPV	ACTION: SEND TO SITE
BUILD COMPONENT: PROTOCOL	
ENTRIES: DGPREG EXPAND PATIENT	ACTION: SEND TO SITE
ENTRIES: DGPREG HIST MENU	ACTION: SEND TO SITE
ENTRIES: DGPREG HIST SC	ACTION: SEND TO SITE
ENTRIES: DGPREG RG CP	ACTION: SEND TO SITE
ENTRIES: DGPREG RG EDIT	ACTION: SEND TO SITE
ENTRIES: DGPREG RG EH	ACTION: SEND TO SITE
ENTRIES: DGPREG RG MENU	ACTION: SEND TO SITE
ENTRIES: DGPREG RG XH	ACTION: SEND TO SITE
BUILD COMPONENT: LIST TEMPLATE	
ENTRIES: DGPREG HIST	ACTION: SEND TO SITE
ENTRIES: DGPREG RG	ACTION: SEND TO SITE
BUILD COMPONENT: HL7 APPLICATION PARAMETER	
BUILD COMPONENT: HL LOWER LEVEL PROTOCOL PARAMETER	
BUILD COMPONENT: HL LOGICAL LINK	
BUILD COMPONENT: REMOTE PROCEDURE	

```
SUBSCRIPT: POS001                                DIR(0): DAO^NOW::EXR
  DIR(A): Date and Time to Queue Job:
  DIR(A,#):
```

Enter the Date and Time the DGPRE PRE-REGISTER NIGHT JOB is to be queued to run at. It is recommended that this job be queued at night when no backups or other downtime is scheduled for at least 30 minutes

```
  DIR(?): Enter the date and time this job is to be queued for.
SUBSCRIPT: POS002                                DIR(0): PAO^3.5:EMZ
  DIR(A): Device for queued job output:
  DIR(A,#):
```

This background job may require a NULL device to be selected in the DEVICE FOR QUEUED JOB OUTPUT field in the OPTION SCHEDULING File at some sites.

```
  DIR(B): NULL
  DIR(?): Select a null device appropriate for your site.
SUBSCRIPT: POS003                                DIR(0): PAO^200:EMZ
  DIR(A): Add member to mail group:
  DIR(A,#):
```

A new mail group, DGPRE PRE-REG STAFF will be created by this build. This mail group is used by the nightly job to send status reports to. At least one member should be added. This should be the Preregistration Coordinator or Supervisor.

```
  DIR(?): Select member to add to the mail group.
```


5. Appendix B. Sample Installation

```
Select Installation Option:  6  Install Package(s)
Select INSTALL NAME:  DG*5.3*109      Loaded from Distribution  4/24/97@13:2
6:41
    => DG*5.3*109 (4-24-97 F)
```

This Distribution was loaded on Apr 24, 1997@13:26:41 with header of
DG*5.3*109 (4-24-97 F)
It consisted of the following Install(s):
DG*5.3*109

DG*5.3*109
Will first run the Environment Check Routine, DGPREENV

Checking pre-KIDS patch sequence for Patch DG*5.3*32

Install Questions for DG*5.3*109

Incoming Files:

41.41 PRE-REGISTRATION AUDIT

41.42 PRE-REGISTRATION CALL LIST

41.43 PRE-REGISTRATION CALL LOG

43 MAS PARAMETERS (Partial Definition)
Note: You already have the 'MAS PARAMETERS' File.

Incoming Mail Groups:

Enter the Coordinator for Mail Group 'DGPRE PRE-REG STAFF': **kop,s**
KOPECKY,STEPHEN C SCK

Enter the Date and Time the DGPRE PRE-REGISTER NIGHT JOB is to be
queued to run at. It is recommended that this job be queued at
night when no backups or other downtime is scheduled for at least
30 minutes

Date and Time to Queue Job: **t@1600** (APR 24, 1997@16:00)

Appendix B. Sample Installation

This background job may require a NULL device to be selected in the DEVICE FOR QUEUED JOB OUTPUT field in the OPTION SCHEDULING File at some sites.

```
Device for queued job output: NULL// <RET>
 1  NULL
 2  NULL DEVICE          NULL DEV      _NLA0:
 3  NULL/TCP             BIT BUCKET     _NLA0:
 4  NULL BIT BUCKET      .....        _NLA0:
CHOOSE 1-4: 2
```

A new mail group, DGPRE PRE-REG STAFF will be created by this build. This mail group is used by the nightly job to send status reports to. At least one member should be added. This should be the Preregistration Coordinator or Supervisor.

Add member to mail group: **kop,s** KOPECKY,STEPHEN C SCK

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// <RET>

Enter options you wish to mark as 'Out Of Order': **DG LOAD PATIENT DATA**
Load/Edit Patient Data

Enter options you wish to mark as 'Out Of Order': **DG PATIENT INQUIRY**
Patient Inquiry

Enter options you wish to mark as 'Out Of Order': **DG PARAMETER ENTRY**
MAS Parameter Entry/Edit

Enter options you wish to mark as 'Out Of Order': **DG REGISTRATION VIEW**
View Registration Data

Enter options you wish to mark as 'Out Of Order': <RET>

Enter protocols you wish to mark as 'Out Of Order': <RET>

Delay Install (Minutes): (0-60): 0// <RET>

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// <RET> UCX/TELNET